

Title (en)

Temperature sensing element and probe using such an element.

Title (de)

Temperaturfühlerelement und Sonde mit einem solchen Element.

Title (fr)

Élément sensible à la température, et sonde de mesure comportant un tel élément.

Publication

**EP 0447295 B1 19940824 (FR)**

Application

**EP 91400603 A 19910305**

Priority

FR 9002800 A 19900306

Abstract (en)

[origin: EP0447295A1] The invention concerns a temperature-sensitive element, comprising an elongated ceramic mandrel (18), through which pass at least two non-insulated connection wires (3) which are connected to a two-wire winding (13) wound on the said mandrel, and an insulating coating (14) of glass surrounding the elongated mandrel and its two-wire winding. <??>According to the invention, the temperature-sensitive element (10) comprises at least one cable screened with a mineral insulator (12) of which one end is built into the elongated mandrel (18) and through which pass the connection wires (3), and the insulating coating (14) also covers the zone of the cables screened with a mineral insulator (12) which is immediately adjacent to the building-in in the said elongated mandrel. <??>Application in particular to measuring temperature in the field of cryogenics and in the aerospace industry. <IMAGE>

IPC 1-7

**G01K 7/18**; **G01K 13/02**

IPC 8 full level

**G01K 7/18** (2006.01); **G01K 13/02** (2006.01)

CPC (source: EP US)

**G01K 7/18** (2013.01 - EP US); **G01K 13/02** (2013.01 - EP US)

Cited by

FR2720486A1; EP1014057A1; FR3018604A1; US10132667B2; WO2015140182A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0447295 A1 19910918**; **EP 0447295 B1 19940824**; DE 69103556 D1 19940929; DE 69103556 T2 19950420; FR 2659445 A1 19910913; FR 2659445 B1 19920710; US 5161894 A 19921110

DOCDB simple family (application)

**EP 91400603 A 19910305**; DE 69103556 T 19910305; FR 9002800 A 19900306; US 66419091 A 19910304